
C INTERIORS

C10 INTERIOR CONSTRUCTION

C1010 Partitions

C1010.01 Masonry Partitions

Construction: Normal-weight concrete masonry units, typically 8-inch width, ASTM C270 Type S mortar, reinforced with vertical rebar and with horizontal truss-type reinforcing in every other course. Partitions will run from the floor to the underside of steel floor or roof deck above, and will be restrained from lateral movement at the top.

- Locations: Stage, locker rooms and connecting corridors, kitchen, mechanical rooms, main electrical room, fire pump room, elevator shafts and elevator machine rooms, receiving area, and toilet cores.

Fire-Rated Partitions: Where a fire-rating is required, masonry partitions will be constructed to conform to a specific U.L. design. Specific locations will depend upon the final building design, but the following are probable locations:

- 2-hour rated construction around elevator shafts and elevator mechanical room, building mechanical room, main electrical and emergency electrical rooms, fire-pump room. Egress stairs where necessary.
- 1-hour rated partitions enclosing the kitchen and the receiving area.

C1010.02 Gypsum Board Partitions

Typical Gypsum Board Partitions: 5/8 inch thick gypsum board on 3-5/8" deep, 20 gauge steel studs spaced 16 inches on center. Screw gypsum board to studs. Partitions typically extend full height from floor to underside of deck above.

- Non-rated storage rooms, rooms other than teaching spaces

Fire-Rated Gypsum Board Partitions: As above, but conforming to a specific U.L. design, and constructed with Type X/Fire Core gypsum board. Specific locations will depend upon the final building design, but the following locations are probable:

- 2-hour rated construction around emergency electrical closets and utility shafts. Possibly the egress stairs if Trespa panel facing Add-Alternative is selected.

Acoustical Partitions (Type 1): Typical Gypsum Board partition with acoustical insulation inside the wall and acoustical caulking at top and bottom of the partition. STC of 49 or better.

- Locations: Administrative areas, typical classrooms, specialty classrooms, library, toilet rooms.

Acoustical Partitions (Type 2): Sound and vibration attenuating partitions; double stud with space between, gypsum board both sides, acoustical insulation inside the wall and acoustical caulking at top and bottom of the partition.

- Locations: Auditorium, music, ensemble, chorus and practice rooms. Also at the walls enclosing the Special Education Language Program classrooms where these rooms project into the Technology/Wood/Manufacturing/Scene Shop.

Shaft Wall: Galvanized steel C-H studs with 1-inch thick coreboard and 5/8-inch thick Type X gypsum on outside face.

- Locations: Elevator shaft; mechanical shafts.

Indoor Air Quality (IAQ): To the extent feasible, gypsum board and acoustical insulation products that have been tested and certified for low emissions of volatile organic compounds (VOCs) will be specified.

C1010.03 Masonry Veneer Partitions

Ground-face concrete unit masonry, tied back to the underlying stud framing.

- Locations: Gymnasium, Fitness Room, Multi-Purpose Rooms.

Alternate: Behind the splayed walls is a long angled wall (the face of the Servedy, and a long face of the Library above) that consists mostly of 2' thick piers (on both Floor 1 and Floor 2) and a few feet of horizontal wall above the piers. This wall would be faced in masonry veneer.

C1010.04 Phenolic Panel Veneer Partitions

Trespa units as the finish for walls within Cafeteria/Commons. The "splayed" walls in Cafeteria are 25' tall and are all phenolic Trespa veneer, including jambs and above portal openings. On the opposite side of the Cafeteria/Commons, the Auditorium wall, up to the wainscot level, is also Trespa panel clad or wood paneling. In all the splayed walls(both interior and perimeter), and large sections of the facade wall of the Auditorium, there is a special base: below the masonry units, is a 15 5/8" wide steel grille/bar grating, McNichols GW75 or similar, standing on its side, creating both useable and blank HVAC diffusers.

C1010.05 Interior Guard Rails

Guardrail at Commons bridge and Main Lobby Stair is glass assembly.

Guardrails around other Floor Openings: Painted steel railings, vertical picket design, with stainless steel top rail.

- Top of rail detail will allow for installation of glass panels between top of rail and ceiling in the future, should additional acoustical separation be desired.

C1010.06 Interior Windows

Hollow Metal Frames: Hollow-metal construction, 16 gauge steel, 1½" width/profile with corners mitered and welded; shop-primed for field painting. Typical all locations except those listed below under "wood frames" heading.

Aluminum Frames: where noted, or substituted for Hollow Metal assemblies through any Add-Alternative selections.

Wood Frames: Solid hardwood assembly at Library Media Center, Student Activities, Staff Lunch and Administration entrances. FSC certified.

Glass: Clear glass, tempered at sidelights and where required by Code, annealed at other locations. Vision panels in fire-rated partitions (if any) will be fire-rated transparent ceramic material, such as "Fire-Lite."

C1010.07 Interior Storefront

At primary entrances the interior vestibule wall will be constructed of the same material as the frame, sidelights and transom of the entrance door surround at the exterior walls. Glass will be clear, tempered safety glass.

C1010.08 Interior Partition Firestopping

Through-penetration firestopping: Will be in accordance with a tested U.L. design, to attain an F-rating equal to the rating of the partitions, and a corresponding T-rating where required by code.

Top-of-Partition Firestopping: Will be in accordance with a tested U.L. Design. Occurs at rated partitions and smoke barriers

C1020 Interior Doors

C1020.01 Interior Swinging Doors

Flush Wood Doors: Window and Door Manufacturer's Association (WDMA) Premium Grade 5-ply construction, as manufactured by Algoma, Eggers, Marshfield, Mohawk or VT Industries, pre-fitted to steel frames.

Face Veneer: Select white maple veneer, plain sliced.

- Wood Finish: Factory finished with stain and conversion varnish.
- FSC certified wood veneer, non-urea formaldehyde composite sections, and VOC content compliant to MA CHPS.
- Glazing: Narrow vision panel 12-inches wide by 36-inches high, typical.
- Hold-open hardware on 90-minute doors in 2-hour assemblies at egress stairs, and possibly at corridor-secure locations (doorways to close off corridors from the common areas for after-hour use).
- Locations: Cross-corridor doors, classrooms and other teaching spaces, administrative offices, teacher break rooms, toilet rooms, egress stairs and for other doors in public areas.

Flush Steel Doors: ANSI 250.8 Level 2, "Heavy Duty" doors, with 18 gauge cold-rolled steel faces, seamless edges. Shop-primed and field painted.

- Locations: Mechanical equipment rooms, electrical equipment rooms, fire pump room, receiving area, and similar service locations.

Stile and Rail Wood Doors: One pair at the entrance to the Library; one pair at the entrance to the Administration area. Single doors at Student Activities (2) and Staff Lunchroom. Maple stiles and rails, factory finished. FSC certified wood veneer, non Urea formaldehyde composite sections and VOC content compliant with MA-CHPS.

Steel Frames: 16 gauge cold-rolled steel hollow-metal frames 1½" widths; corners mitered and welded. Furnish drywall and masonry profiles, as appropriate to construction in which doors will be set. Shop-primed and field painted.

- Frames for classroom doors typically include an 18-inch wide sidelight glazed with clear safety glass and 24" transom lite; or fire-rated ceramic glazing where required for fire-rating.

Alternative: Stick-built moveable wall systems with glass wall/door combination assembly built into gypsum board wall opening (Examples include Inscape, Heathrow "Reform", Steelcase "Privacy Wall", Hayworth "Enclose") with same dimensions as listed in Steel Frames above.

Door Hardware: Heavy-commercial quality; US 32D satin stainless finish. Provide key cabinet and key organizing system.

- Locksets: Mortised locksets and latch sets, with lever handles.
- Keying: Grand-Master and Masterkeying system to be coordinated with the Owner.

Fire-Rated Openings: Where openings are required to be fire-resistance rated, U.L. listed and labeled products, tested under positive pressure, will be specified. Hold-opens for doors in 2-hour walls at egress stairs.

Path-of-Egress Doors: Doors in the path of egress that can be locked, will automatically unlock upon activation of the building fire alarms system. If utilized, would include corridor-secure locations (doorways to close off corridors from the common areas for after-hour use).

C1020.02 Interior Entrance Doors

At primary entrances, the interior vestibule doors will match the exterior entrance doors.

- Glazing: Single glazed with 1/4 inch thick clear tempered safety glass.
- Hardware: Full height continuous hinges; offset tubular pulls; tubular push bars full width of door; surface-mounted overhead closers.

C1020.03 Interior Coiling Grilles

Coiling Grilles: Overhead coiling aluminum open link style grille with brushed aluminum finish. Electrically operated. Locations as listed below, with preliminary sizes.

- Servery: Two (2) 10' wide by 9' high.
- Main corridors: Three (3) 14' wide by 10' high. (May be eliminated if the design utilizes lockable swinging doors on hold-opens in these locations).

C1020.04 Other Interior Doors

Access Doors: Furnish access doors to provide access to plumbing, mechanical, and electrical controls. Frame with 1-inch wide overlapping trim; stainless steel units in kitchen; painted steel units at other locations. Furnish fire-rated units for installation in fire-rated walls and fire-rated ceiling assemblies.

C1030 Specialties and Fittings

C1030.01 Visual Display Boards

Markerboards, Fixed: Wall-mounted porcelain on steel markerboards with extruded aluminum trim and chalk tray, and tack-strip along top of board. Claridge or Greensteel.

- Quantity: Three 4' x 8' per classroom, except science labs

Markerboards, Sliding: Wall-mounted porcelain on steel markerboards with two panels and extruded aluminum trim and chalk tray, and tack-strip along top of board. Claridge or Greensteel.

- Quantity: Two 4' x 8' per science lab

Tackboards: Wall-mounted vinyl-coated cork tackboards with extruded aluminum trim.

- Quantity: Two 4' x 8' per classroom, one @4' x 4' per office and additional tackboards may be installed in corridors and lounges, as the program requires

Tackstrips: 2 inch high vinyl-coated cork installed at ceiling/wall juncture on three walls in each classroom. Allow 40 linear feet for each classroom.

Map Holders: Wall mounted, to hold 8-1/2" x 11" paper, with long edge horizontal. One per room.

Interactive Markerboards: Refer to Part D

C1030.02 Fabricated Compartments and Cubicles

Toilet Compartments: Plastic partitions (high density polyethylene). Floor supported with headrail. Stainless steel hardware. Full height bracket

Shower and Dressing Compartments: Same as the toilet compartments.

Cubicle Curtains: In Nurse's suite, enclosing four cubicles. Vinyl curtains with mesh band at top. Hung from track.

C1030.03 Wall and Corner Guards

Corner guards: Stainless steel. Provided in kitchen areas and loading dock corridors.

C1030.04 Interior Signage

Metal Plaque: Cast aluminum plaque; one to be located in the lobby.

Interior Panel Signs: One per each door with raised letters and Braille. Includes back panel at all signs located on a glass sidelight.

Dimensional Characters: Size, quantity and location to be determined. Provide allowance.

Egress Path Diagrams: Framed "Path to Exit" signs, 8-1/2 by 11"; one per room.

Miscellaneous Signs: Other signs as required for wayfinding and life safety.

C1030.05 Metal Lockers

Student Lockers: Heavy duty corridor lockers. two-tier, 15" x 15" x 6-feet high, painted steel with louvers in the doors.

- Locking: combination locks built in.
- Mounting: Set on 4-inch high glazed masonry base.
- Accessories: Sloped tops.
- Quantity: 950 lockers

Athletic Lockers: Two-tier, 12" x 12" x 6-feet high, painted steel lockers with expanded metal doors and sides for ventilation.

- Locking: Padlock rings.
- Mounting: Set on masonry base.
- Accessories: Sloped tops; end panels as exposed ends.
- Quantity: 400 lockers (200 two-tier units)

Team/Varsity Lockers: Single-tier, 18" x 18" x 6-feet high, painted steel lockers with expanded metal doors and sides for ventilation.

- Locking: Padlock loops.
- Mounting: Set on 4-inch high glazed masonry base.
- Accessories: Sloped tops; end panels as exposed ends.
- Quantity: 120 lockers

Locker room benches: Laminated wood seats. Assume 8 per locker room.

Kitchen Staff Lockers: Wardrobe lockers, single-tier, 12" x 12" x 6-feet high, painted steel with louvers in the door.

- Locking: Padlock loops.
- Mounting: Set on 4-inch high glazed masonry base.
- Accessories: Hanger rod, sloped tops, end panels as exposed ends.
- Quantity: 12

C1030.06 Postal Boxes

For mail delivery to staff, private delivery, horizontal mailbox units, recessed in wall, with keyed locks will be provided. HHS Industries Model 1550-123 or equal. Quantity: 120

C1030.07 Storage Shelving

Metal storage shelving will be provided under a separate Furnishings, Fixtures and Equipment contract.

C1030.08 Telephone Specialties

Telephone Enclosures: One wall-mounted unit, installed in the Lobby. Telephone will be furnished and installed by the Owner's telephone company.

C1030.09 Toilet and Shower Accessories

Toilet Room Accessories: Stainless steel similar to Bobrick classic style (flat face).

- Combination paper towel dispenser and waste receptacle unit: Two per multi-user toilet room; one per single-user toilet room.
- Paper towel dispensers: One per each sink, except in toilet rooms
- Soap dispensers: One per each sink.
- Toilet paper dispensers, partition mounted: One per toilet in multi-user toilet rooms
- Toilet paper dispensers, wall mounted, recessed: One per single-user toilet room
- Sanitary napkin disposal units: One per toilet in multi-user toilet rooms
- Sanitary napkin dispensers: One in each multi-user women's toilet room.
- Grab Bars: Two at each wheelchair accessible water-closet.
- Mirrors in single-user toilet rooms : Stainless steel framed mirrors.

- Mirrors in multi-user toilet rooms : All-glass mirrors, not toilet accessories; see below.

Shower Accessories

- Fold-down seats: In one shower stall in each locker rooms and in one shower stall in each staff shower room.
- Grab bars.
- Shower curtains, hooks and rods: One set per shower compartment
- Robe hooks: One per shower compartment
- Soap dispenser: One per stall.

Custodial Accessories

- Mop holder with Shelf: One per janitor's closet.

Miscellaneous Accessories

In each room other than toilet rooms and kitchen where there is a sink, one wall-mounted paper towel dispensers and one soap dispenser will be provided at each sink. Locations include select classrooms with sinks, art room, drama room, teacher/staff dining rooms.

C1030.10 Mirrors

Wall-mounted, unframed, mirrors will be provided in each multi-user toilet room, above the lavatories.

Wall-mounted, unframed, laminated safety glass mirrors will be provided at the Multi-Purpose/Drama classroom, Choral room, and Band/Orchestra room.

C20 STAIRS

C2010 Stair Construction

C2010.01 Steel Stairs

Lobby Stair (in concrete, next section?): Monumental, unenclosed stair connecting entrance lobby to second floor. Steel stairs conforming to NAAMM (National Association of Architectural Metal Manufacturers) "Architectural" Class, with tubular steel stringers and platform framing, precast-terrazzo treads and platforms, steel plate risers.

Egress Stairs: Steel stairs conforming to NAAMM (National Association of Architectural Metal Manufacturers) "Architectural" Class, with tubular or channel steel stringers, concrete-filled steel pan treads and platforms, steel plate risers, open soffit, all welded construction.

C2010.02 Concrete Stairs

Aisle stairs at the steep (stadium seating) portion of the Auditorium, will be cast-in-place concrete.

Lobby Amphitheatre/Stair: Monumental, unenclosed stair connecting lobby to second floor. Where aligned to seating levels, connected to adjacent amphitheatre. Amphitheatre is concrete in pans on steel raker beams to create a solid concrete appearance. A set of eight (8) 14" risers in "L"-shaped plan layout to a height of 9'-4" where a small 250SF platform is formed and connects to Main Lobby Stair mid-landing. Platform is thin enough to allow head-height in a room below with clear height of 8'-6". Underside of Lobby Stair and Amphitheatre risers is a low-height storage area.

C2010.03 Wood Stairs

Stairs from seating area to stage in the Auditorium will be wood framed, with maple treads and risers. FSC certified wood. VOC finishes compliant with MA CHPS

C2020 Stair Finishes

C2020.01 Tread, Riser and Landing Finishes

Monumental Stair at Lobby: Precast terrazzo treads and landing if Commons floor is Fritz tile or polished concrete; or Slate if Commons floor is slate tiling. Steel structure painted with high-performance epoxy paint.

Egress Stairs: Rubber tread and risers covers; rubber tile on landings. Steel structure painted with high-performance epoxy paint.

Aisle Stairs at Auditorium Stadium Seating: Carpet on treads, risers and landings.

Stair to Stage in Auditorium: Exposed hardwood with transparent urethane finish.

C2020.02 Stair Railings

Monumental Stair (Main Lobby): Glass steel railing assembly.

Egress Stairs: Painted steel railings, vertical picket design, with stainless steel top rail and handrail. Wall-mounted handrails will be stainless steel pipe or tubing.

Stairs In Auditorium: To be determined.

C30 INTERIOR FINISHES**C3000 Overview****C3000.01 Finishes Schedule**

Room	Floor	Walls	Ceiling
Entrance Vestibules	Entrance Mat (see Part E)	Glazed storefront system.	Acoustical panel
Entrance Lobby	12 x 18 Brazilian slate tile in running bond pattern.	Wood paneling; gypsum board painted.	Acoustical panel
Corridors in academic and public areas	Sheet Linoleum	Porcelain tile wainscot 5'-4" high; gypsum board painted above.	Acoustical panel
Corridors in service areas (locker rooms, receiving, mechanical room)	VCT	CMU filled and painted or painted gypsum board.	Acoustical panel
Classrooms, science labs, computer lab, and similar teaching spaces	VCT	Gypsum board, painted.	Acoustical panel
Library	Carpet	Wood paneling; gypsum board, painted.	Acoustical panel
Art Rooms	Sealed concrete	Gypsum board, painted.	Acoustical panel
Technology/Wood/Robotics/Manufacturing Shop	Sealed concrete	Gypsum board, painted.	Sound-attenuating gypsum board above acoustical panel ceiling.
Offices, Administration area.	Carpet	Gypsum board, painted.	Sound-attenuating gypsum board above acoustical panel ceiling.
Offices, other areas	Carpet	Gypsum board, painted.	Acoustical panel
Cafeteria Servery Arcade	Brazilian slate; possibly Deduct-Alt to Polished concrete, stained and sealed	6" Brazilian slate base in some locations, bar-grate diffuser in most, gypsum board, painted typical.	Acoustical roof deck, gypsum board in limited areas

Room	Floor	Walls	Ceiling
Cafeteria, face of Auditorium	-	Bolted-on banded plywood panels, stained; possibly Trespa panels, too.	-
Cafeteria, faces of splayed arcade walls	-	Phenolic Trespa panels with bar grate diffusers at base	-
Kitchen	Resinous flooring	FRP panels	Acoustical panel, mylar faced
Servery	Polished concrete, stained and sealed	Porcelain tile wainscot; gypsum board, painted.	Acoustical panel.
Band and Choral Rooms	VCT	Fabric-faced acoustical panels two walls; painted gypsum board.	Acoustical panel.
Auditorium	Painted concrete, with carpet in aisles.	Wood paneling on proscenium and side walls; and fabric-faced acoustical panels on rear wall.	Exposed structure, painted; wood sound reflecting panels (clouds).
Stage	Apron: Wood strip flooring Stage: Black masonite panels.	Painted CMU or gypsum board.	Exposed structure, painted black.
Gymnasium	Wood athletic flooring	Painted CMU veneer wall to top of bleachers ; wood fiber acoustical panels; glass block clerestory	Exposed structure, painted
Fitness/Weights Center	Rubber flooring	Painted CMU wainscot; wood fiber acoustical panels.	Exposed structure, painted
Multi-Purpose/Dance	Wood athletic flooring	Painted CMU wainscot; wood fiber acoustical panels.	Exposed structure, painted
Locker rooms and showers	Rubber flooring.	Glazed ceramic tile	Gypsum board, epoxy paint
Toilet Rooms	Ceramic mosaic tile.	4 x 4 ceramic tile full height	Gypsum board, epoxy painted
Mechanical rooms	Concrete, w/ sealer.	Painted CMU	Exposed structure.

Room	Floor	Walls	Ceiling
Storage rooms	VCT	Painted CMU	Exposed structure.
Loading dock area	Concrete w/ sealer	Painted CMU	Exposed structure.

C3000.02 Sustainable Design Requirements

Sustainable Materials: Building materials will be selected to optimize the use of sustainable materials, as defined by MA-CHPS for Sustainable Materials Attributes. Sustainable materials include recycled content materials, bio-based materials (rapidly renewable), wood certified by the Forest Stewardship Council as sustainably harvested, and material salvaged from the existing high school.

Indoor Air Quality (IAQ): To the extent feasible, low-emitting materials will be specified in the following categories: Adhesives, sealants and concrete sealers; carpet and carpet adhesives; resilient flooring and associated adhesives; interior paints; acoustical ceiling panels; wood wall panels.

C3010 Wall Finishes

C3010.01 Wall Paneling

Wood Paneling: Hardwood veneer paneling (FSC Certified); select white maple veneer, plain sliced, HPVA Grade A. Shop fabricated and shop-finished with AWI catalyzed urethane system. Manufactured to standard sizes.

C3010.02 Gypsum Board Wall Finishes

Gypsum Board: Joints taped and finished

Gypsum Board Accessories: Reveals to be determined

C3010.03 Tile Wall Finishes

Porcelain Tile: Field tile and trim including base and bullnose cap

Ceramic Tile: Field tile and trim including coved base

C3010.04 Acoustical Wall Treatment

Fabric-Faced Fiberglass Panels: 1 inch thick panels of molded fiberglass core with fabric facing and wrapped square edges.

Fabric-Faced Acoustical Wood Fiber Wall Panels: Tectum "Finale Fabri-Tough" Panels, or equal panel constructed of aspen wood fibers bonded with inorganic hydraulic cement; 2-inches thick.

C3010.05 Interior Wall Painting

Concrete Unit Masonry: Acrylic block filler and two coats of acrylic paint.

Gypsum Board, Latex Paint: One primer coat and two top coats of low-VOC latex paint.

Gypsum Board, Epoxy Paint: One coat PVA primer and two top coats of water-based acrylic epoxy, equal to Tnemec "Tneme-Tufcoat" Series 113/114.

Shop Primed Metal: Two top coats of alkyd paint.

C3010.06 Other Wall Finishes

Fiberglass Reinforced Plastic Coated Panels (FRP): Crane Composites "Glasboard" type panels with sealed finish.

C3020 Floor Finishes

C3020.01 Slate

Slate in tile form, 12" x 18" size typical, 3/8" thick. Wallace Falvey Associates Brazilian multi-color or equal. Delivered to site at \$3.50/tile. Medium bed mortar installation over concrete substrate.

C3020.02 Concrete Floor Finishes

Sealed Concrete: Additional coat of clear sealer/dustproofers, specified as Concrete work.

Polished and Densified Concrete: Dry-ground to remove imperfections, densifier applied, dry polish with two passes of successively finer grit for a modest grinding (exposure of aggregate), low gloss, stain to reveal natural veining and seal.

C3020.03 Tile Floor Finishes

Porcelain Paver Tile: Large size, unglazed, porcelain body tile, with matching base

Ceramic Mosaic Tile: Unglazed porcelain tile; 2" x 2"

Terrazzo Tile: Fritz tile, either 12" x 12" or 12" x 18".

C3020.04 Wood Flooring

Wood Strip Flooring: Combination hardwood and softwood with tongue-and-groove edges nailed to plywood subfloor (FSC Certified). Field finished with transparent urethane varnish.

Wood Athletic Flooring, Gymnasium: Hard Maple strip flooring on plywood subfloor supported on neoprene pads; performance characteristics suitable for basketball and volleyball. Field finished with game line paint and oil-modified urethane varnish.(FSC certified wood)

Wood Athletic Flooring, Dance: Hard Maple strip flooring on plywood subfloor supported on neoprene pads; performance characteristics suitable for dance and aerobics. Field finished with oil-modified urethane varnish. (FSC certified wood)

C3020.05 Resilient Flooring

Resilient Tile Flooring: Vinyl composition tile; 12" x 12" x 1/8" thick.

Rubber Athletic Flooring, Fitness Center: 3/8 inch thick interlocking rubber tiles.

Rubber Locker Room Flooring: 3/8 inch thick rubber sheet flooring.

Resilient Play Surface: 3/8 inch thick interlocking rubber tiles.

Low VOC Adhesives compliant with MA CHPS

C3020.06 Carpet Flooring

Roll/Broadloom Carpet: Auditorium; except under seats.

Carpet Tile: Offices, Library

Low VOC Adhesives compliant with MA CHPS

C3020.07 Resinous Flooring

Kitchen: Water-resistant, decorative resin flooring; skid-resistant texture. 1/4 inch thick system consisting of mortar coat, top coat with broadcast color chips, and clear sealer. Product and chemical type to be selected.

C3030 Ceiling Finishes

C3030.01 Gypsum Board Ceiling Finishes

Gypsum Board: Suspended gypsum board assembly with joints taped and finished.

Sound Reflecting Panels: Gypsum board panels suspended from the ceiling on steel channel framing used to provide reflective surfaces for sound control.

C3030.02 Acoustical Ceilings

Acoustical Ceilings, Typical: 2 x 2 mineral-fiber acoustical lay-in panels; supported by steel double-web grid with narrow face 9/16" wide aluminum face cap.

Acoustical Ceilings, Sound and Vibration Attenuating: The areas listed below will have, above the typical acoustical ceiling, a sub-ceiling made of a double layer of gypsum board fastened hung from the structure above on resilient studs.

- Administrative areas under the fitness room and the multi-purpose/dance.
- Special Education Language Program Classroom, if this program is added.

High NRC Ceilings: In the Library, ceiling panels will be large (4 x 4), high NRC (noise reduction coefficient) fiberglass base panels.

Acoustical Ceiling, Food Prep Areas: 2 x 4 mineral-fiber lay-in panels with scrubbable aluminum or mylar face; supported by steel double-web grid with standard 15/16" wide aluminum face cap.

C3030.03 Interior Ceiling Painting

Gypsum Board: One coat PVA primer and two top coats of low-VOC latex paint.

Exposed Structure: Drywall paint
